Vermont Mental Health Performance Indicator Project

DDMHS, Weeks Building, 103 South Main Street, Waterbury, VT 05671-1601 (802-241-2638)

MEMORANDUM

TO: Vermont Mental Health Performance Indicator Project
            Advisory Group and Interested Parties

FROM: John Pandiani an Monica Simon

DATE: November 1, 2002

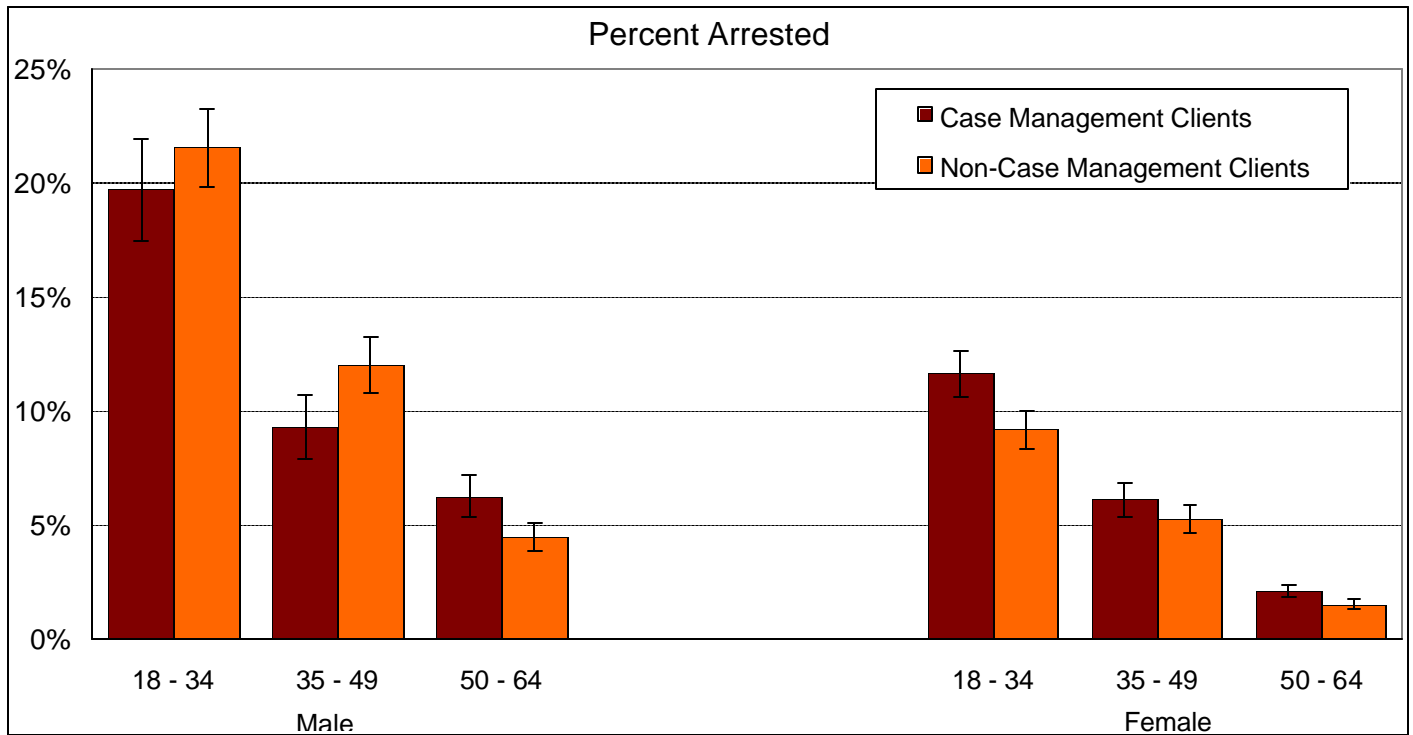RE: Arrest Rates for Case Management Service Recipients and Others

Don Trites, Director of Research in the Maine Department of Behavioral and Developmental Services requested information on arrest rates for two groups of adult consumers of community mental health services: people who receive case management services and people who do not receive case management services. This information was requested in relation to a review of Maine's consent decree. The attached graph and table provide the first installment in our response to this request. Future analyses will include historical comparison of arrest rates for these treatment groups, and comparisons of incarceration and VSH utilization rates. For related criminal justice PIPs visit www.state.vt.us/dmh/Data/PIPs/Ordered_by_pages/criminaljustice.htm.

Extracts from two data sets were used in this analysis. An extract from the DDMHS MSR (Monthly Service Report) database provided basic demographic and service information for adults assigned to Adult Outpatient or Community Rehabilitation and Treatment Programs during FY2002. For purposes of this analysis, service recipients were divided into two categories: case management recipients, and others. Case management recipients included all individuals for whom CMHCs had reported "Service Planning and Coordination" and/or Community Supports. An extract from the Vermont State Police VIBRS (Vermont Incident Based Reporting System) database provided basic demographic and offense information for all individuals arrested during FY2002. Because these data sets do not include unique person identifiers, Probabilistic Population Estimation was used to determine the number of service recipients in each group who were also represented in the arrest data set. Arrest rates are reported for six age/gender categories.

As you will see, there were statistically significant differences in arrest rates (case management service recipients compared to others) in four of our six age/gender categories. Among women in the 18-34 year age group, and both men and women in the 50-65 year old group, recipients of case management services were significantly <u>more likely</u> to be arrested than others. Among men in the 35-49 year age group, recipients of case management services were significantly <u>less likely</u> to be arrested than others.

We will appreciate hearing your observations, interpretations, and suggestions for further analysis. Call 802-241-2638 or email pip@ddmhs.state.vt.us.

Adults Served by Community Mental Health Centers
Case Management and Non-Case Management Clients Arrested
Vermont: FY 2002

Percent Arrested

	Case Management Clients		Non-Case Management Clients		
	Number Served	Percent Arrested	Number Served	Percent Arrested	p-value*
Male					
18 - 34	519 ± 4	19.7% ± 2.2%	856 ± 6	21.6% ± 1.7%	NS
35 - 49	731 ± 6	9.3% ± 1.4%	903 ± 7	12.0% ± 1.3%	< .01
50 - 64	400 ± 4	6.3% ± 0.9%	393 ± 3	4.5% ± 0.6%	< .01
Female					
18 - 34	561 + 4	11.6% + 1.0%	1,397 + 9	9.2% + 0.8%	< .01
35 - 49	901 ± 6	6.1% ± 0.8%	1,312 ± 9	5.3% ± 0.6%	NS
50 - 64	582 ± 5	2.2% ± 0.3%	577 ± 5	1.5% ± 0.2%	< .01

*P-value is the probability that the difference observed in the rate of arrest for Case Management and Non-Case Management clients is due to chance. NS indicates that the proportion is not different at 0.05 level of significance.

Based on analysis of Monthly Service Reports submitted to DDMHS by designated Community Service Providers, and data on people arrested provided by The Department of Public Safety. Analysis includes adults served by Adult Outpatient and Community Rehabilitation and Treatment Programs and all arrests of Vermont residents during FY 2002. Because the State of Vermont does not have unique client identifiers across service sectors, Probabilistic Population Estimation was used to provide unduplicated counts of clients arrested (with 95% confidence intervals).